

00C#142

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(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M107012

CLIENT: BRISTOL				INVOICE TO: BRISTOL												TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div>10 7 5 4 3 2 1 <1</div> <div>STD. 5 4 3 2 1 <1</div> </div> Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around;"> <div>STD. 5 4 3 2 1 <1</div> <div>OTHER Please Specify</div> </div> <small>*Turnaround Requests less than standard may incur Rush Charges.</small>							
REPORT TO: ANNE KRANAWETTER				P.O. NUMBER: 21090																			
ADDRESS: AMCHITKA ISLAND, AK																							
PHONE: 907/770-0974 FAX: 907/770-0975				PROJECT NAME: AMCHITKA												REQUESTED ANALYSES <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX/hg</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">DRO</div> </div>							
PROJECT NUMBER: 21090				SAMPLED BY:																			
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME														MATRIX (W, S, O)		# OF CONT.		COMMENTS		NCA WO ID	
1. 01AMC2102SL		7/4/01 1520		✓ ✓												S		2					
2. 01AMC2103SL		7/4/01 -		✓														1		TRIP			
3.																							
4.																							
5.																							
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15.																							
RELINQUISHED BY: [Signature]				DATE: 7/4/01				RECEIVED BY: [Signature]				DATE: 7-4-01											
PRINT NAME: [Signature]				FIRM: BRISTOL				TIME: 1815				PRINT NAME: MUSTAHSAN R. FARDOOL				FIRM: TIME: 1620							
RELINQUISHED BY:				DATE:				RECEIVED BY:				DATE:											
PRINT NAME:				FIRM:				TIME:				PRINT NAME:				FIRM:							
ADDITIONAL REMARKS: AST C2-1 Confirmation Sample																TEMP:		PAGE OF					



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541.383.9310 fax 541.382.7588

7 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 07/04/01 16:20. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M107012



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/10/01 09:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMC2102SL	M107012-01	Soil	07/04/01 15:20	07/04/01 16:20
01AMC2103SL	M107012-02	Soil	07/04/01 00:00	07/04/01 16:20

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

1 of 7



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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/10/01 09:49

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMC2102SL (M107012-01) Soil

Sampled: 07/04/01 Received: 07/04/01

Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	07/09/01	07/09/01	0107035	
Surr: 1-Chlorooctadecane	79.0 %	50-150							
Surr: Triacontane	102 %	50-150							

North Creek Analytical - Mobile Lab

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/10/01 09:49

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMC2102SL (M107012-01) Soil

Sampled: 07/04/01 Received: 07/04/01

Benzene	ND	0.0644	mg/kg dry	50	1B BTEX/MTI	07/06/01	07/06/01	0107027	
Toluene	ND	0.257	"	"	"	"	"	"	
Ethylbenzene	ND	0.257	"	"	"	"	"	"	
Xylenes (total)	ND	0.515	"	"	"	"	"	"	
Naphthalene	ND	2.57	"	"	"	"	"	"	

Surr: 4-BFB 82.1 % 50-150

01AMC2103SL (M107012-02) Soil

Sampled: 07/04/01 Received: 07/04/01

Benzene	ND	0.136	mg/kg dry	50	1B BTEX/MTI	07/06/01	07/06/01	0107027	
Toluene	ND	0.546	"	"	"	"	"	"	
Ethylbenzene	ND	0.546	"	"	"	"	"	"	
Xylenes (total)	ND	1.09	"	"	"	"	"	"	
Naphthalene	ND	5.46	"	"	"	"	"	"	

Surr: 4-BFB 93.4 % 50-150

North Creek Analytical - Mobile Lab

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Project Manager: Anne Kranawetter

Reported:
07/10/01 09:49

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC2102SL (M107012-01) Soil					Sampled: 07/04/01 Received: 07/04/01				
% Solids	89.7	0.0100 % by Weight		1	Gravimetric	07/06/01	07/07/01	0107028	
01AMC2103SL (M107012-02) Soil					Sampled: 07/04/01 Received: 07/04/01				
% Solids	100	0.0100 % by Weight		1	Gravimetric	07/06/01	07/07/01	0107028	

North Creek Analytical - Mobile Lab

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2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/10/01 09:49

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107035 - 3545 ASE

Blank (0107035-BLK1)

Prepared & Analyzed: 07/09/01

Diesel Range Organics	ND	150	mg/kg wet						
Surr: 1-Chlorooctadecane	18.2		"	23.7		76.8	50-150		
Surr: Triacontane	13.6		"	23.5		57.9	50-150		

LCS (0107035-BS1)

Prepared & Analyzed: 07/09/01

Diesel Range Organics	1300	150	mg/kg wet	1250		104	75-125		
Surr: 1-Chlorooctadecane	18.9		"	23.7		79.7	50-150		
Surr: Triacontane	14.8		"	23.5		63.0	50-150		

LCS Dup (0107035-BSD1)

Prepared & Analyzed: 07/09/01

Diesel Range Organics	1270	150	mg/kg wet	1250		102	75-125	2.33	20
Surr: 1-Chlorooctadecane	23.0		"	23.7		97.0	50-150		
Surr: Triacontane	15.7		"	23.5		66.8	50-150		

Matrix Spike (0107035-MS1)

Source: M107012-01

Prepared & Analyzed: 07/09/01

Diesel Range Organics	1020	150	mg/kg dry	1380	ND	72.0	60-140		
Surr: 1-Chlorooctadecane	25.3		"	26.1		96.9	50-150		
Surr: Triacontane	27.9		"	25.9		108	50-150		

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project Manager: Anne Kranawetter

Reported:
07/10/01 09:49

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107027 - MeOH Extraction

Blank (0107027-BLK1)

Prepared & Analyzed: 07/06/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.37 " 2.50 94.8 50-150

LCS (0107027-BS1)

Prepared & Analyzed: 07/06/01

Benzene	2.04	0.0250	mg/kg wet	2.50	81.6	69-138
Toluene	2.21	0.100	"	2.50	88.4	53-151
Ethylbenzene	2.50	0.100	"	2.50	100	61-141
Xylenes (total)	7.11	0.200	"	7.50	94.8	62-141
Naphthalene	2.76	1.00	"	2.50	110	65-135

Surr: 4-BFB 2.59 " 2.50 104 50-150

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Reported:
07/10/01 09:49

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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7 of 7

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M107012 FINAL 07 10 01 0949.mdb Default Report (not modified)